

WHAT IS CLAIMED IS:

1. A power window apparatus for moving a window glass of a vehicle by driving an actuator, the power window  
5 apparatus comprising:

a switch operated to cause the window glass to move;

a control unit for controlling the actuator;

a connector having a connecting terminal connecting the switch and the control unit, wherein the connector has a  
10 ground terminal used to connect the switch to ground, the switch connects the connecting terminal and the ground terminal to each other and generates a switch signal having a ground level at the connecting terminal when the switch is operated, and the control unit drives the actuator in  
15 response to the switch signal having the ground level; and

an inhibiting means, arranged in the connector, for inhibiting leakage current from flowing between the connecting terminal and the ground terminal when the connector is submerged in water.

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2. The power window apparatus according to claim 1, wherein

the inhibiting means includes a terminal cover that covers at least one of the connecting terminal and the  
25 ground terminal and that is made from an insulative material.

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3. The power window apparatus according to claim 2, wherein the terminal cover is made of potting resin.

4. The power window apparatus according to claim 2, wherein the connector and the terminal cover are made of resin and are integrally formed.

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5. The power window apparatus according to claim 1,

wherein the connecting terminal is provided with a signal having a power supply voltage when the switch is not operated, and the inhibiting means includes a power supply terminal that is arranged between the connecting terminal  
5 and the ground terminal and set at the power supply voltage.

6. The power window apparatus according to claim 5, wherein the power supply terminal and the connecting terminal each have a surface area, with the surface area of  
10 the power supply terminal being larger than the surface area of the connecting terminal.

7. The power window apparatus according to claim 5, wherein the power supply terminal is one of a plurality of  
15 power supply terminals surrounding the connecting terminal.

8. The power window apparatus according to claim 7, wherein the plurality of power supply terminals are arranged on both sides of, and over, the connecting terminal or on  
20 both sides of, and under, the connecting terminal.

9. The power window apparatus according to claim 5, wherein a distance between the connecting terminal and the ground terminal is longer than a distance between the  
25 connecting terminal and the power supply terminal.

10. The power window apparatus according to claim 9, wherein the connector has a first corner, and a second corner separated from the first corner, and the ground  
30 terminal is arranged in the first corner and the connecting terminal is arranged in the second corner.

11. A power window apparatus for moving a window glass of a vehicle by driving an actuator, wherein the power  
35 window apparatus is connected to a power supply, the power

window apparatus comprising:

a switch operated for generating a switch signal to cause the window glass to move;

a control unit for controlling the actuator, wherein  
5 the control unit includes an input terminal that is provided with the switch signal;

a resistor connected between the power supply and the input terminal of the control unit; and

a connector having a connecting terminal connecting the  
10 switch and the input terminal of the control unit, wherein the connector has a ground terminal used to connect the switch to ground, the switch connects the connecting terminal and the ground terminal to each other and generates a switch signal having a ground level at the connecting  
15 terminal when the switch is operated, and the control unit drives the actuator in response to the switch signal having the ground level, wherein the connector includes a power supply terminal connected to the power supply and arranged between the connecting terminal and the ground terminal.

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12. The power window apparatus according to claim 11, wherein the connector includes a terminal cover that covers the ground terminal and is made from an insulative material.

25 13. The power window apparatus according to claim 12, wherein the terminal cover is made of potting resin.

14. The power window apparatus according to claim 12, wherein the connector and the terminal cover are made of  
30 resin and are integrally formed.

15. The power window apparatus according to claim 11, wherein the power supply terminal and the connecting terminal each have a surface area, with the surface area of  
35 the power supply terminal being larger than the surface area

of the connecting terminal.

16. The power window apparatus according to claim 11,  
wherein the power supply terminal is one of a plurality of  
5 power supply terminals surrounding the connecting terminal.

17. The power window apparatus according to claim 16,  
wherein the plurality of power supply terminals are arranged  
on both sides of, and over, the connecting terminal or on  
10 both sides of, and under, the connecting terminal.

18. The power window apparatus according to claim 11,  
wherein a distance between the connecting terminal and the  
ground terminal is longer than a distance between the  
15 connecting terminal and the power supply terminal.

19. The power window apparatus according to claim 18,  
wherein the connector has a first corner, and a second  
corner separated from the first corner, and the ground  
20 terminal is arranged in the first corner and the connecting  
terminal is arranged in the second corner.